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## **CLAIMS**

4	Having thus described	I the aforementioned invention, we claim:
1	A housing for so	ecuring an arc plate, said arc plate including a first
2	longitudinal edge, an oppose	d second longitudinal edge, a notched first end, and a
3	second end opposed to said r	notched first end, said housing comprising:
4	a first support membe	er;
5	a second support men	nber secured in spaced relation to said first support
6	member;	
7	a first securing ledge p	protruding from said first support member and toward
8	said second support member	r;
9	a first opposing ledge	protruding from said first support member and toward
10	said second support member	r, said first securing ledge and said first opposing ledge
11	defining a first slot adapted t	to receive said first longitudinal edge of said arc plate;
12	a second securing led	ge protruding from said second support member and
13	toward said first support me	mber;
14	a second opposing led	ge protruding from said second support member and
15	toward said first support me	mber, said second securing ledge and said second
16	opposing ledge defining a sec	cond slot adapted to receive said second longitudinal
17	edge of said arc plate;	
18	a stop member extend	ling into one of said first slot and said second slot, said
19	stop member engaging said f	first end of said arc plate; and
20	a locking member exte	ending into said first slot to engage said second end of
21	said arc plate.	

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1	3. The housing of Claim 1 wherein said locking member includes a		
2	resilient member and a tab, said resilient member having a first end fixedly		
3	attached to said first securing ledge and having a second end connected to said		
4	tab, said tab having an inside face for securing said arc plate in said housing.		
1	4. The housing of Claim 1 wherein said first support member, said		
2	second support member, said first securing ledge, said second securing ledge, said		
3	stop member, and said locking member form an integral molded assembly.		
1	5. A housing for securing an arc plate, said arc plate including a first		
2	longitudinal edge, an opposed second longitudinal edge, a notched first end, and a		
3	second end opposed to said notched first end, said housing comprising:		
4	a first support member;		
5	a second support member secured in spaced relation to said first support		
6	member;		
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7	a first securing ledge protruding from said first support member and toward		
8	said second support member;		
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9	a first opposing ledge protruding from said first support member and toward said second support member, said first securing ledge and said first opposing ledge		
10	defining a first slot adapted to receive said first said longitudinal edge of said arc		
11	plate;		
12	plate,		
13	a second securing ledge protruding from said second support member and		
14	toward said first support member;		
15	a second opposing ledge protruding from said second support member and		

edge of said arc plate;

toward said first support member, said second securing ledge and said second

opposing ledge defining a second slot adapted to receive said second longitudinal

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a locking member extending into said first slot to engage said second end of said arc plate, said locking member having a resilient member and a tab, said resilient member having a first end fixedly attached to said first securing ledge and having a second end connected to said tab, said tab having an inside face in contact with said arc plate.

- 6. An apparatus for quenching an arc, said apparatus comprising:
- a first wall;
- a second wall secured in spaced relation to said first wall;

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- a first slot formed in said first wall and opening toward said second wall;
  - a second slot formed in said second wall and opening toward said first wall;
    - a back stop member sedured in spaced relation to said first wall;
- a locking member secured in spaced relation to said first wall;
- an arc plate in slidable communication with said first slot and said second slot;
  - whereby said arc plate is secured by said first slot, said second slot, said back stop member, and said locking member.
- 7. The apparatus of Claim 6 wherein said back stop member is resilient and deformable, said back stop member being deformed and in contact with said arc plate, whereby said back stop member forces said arc plate against said locking member.

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1	8. The apparatus of Claim 6 wherein said locking member includes a	
2	resilient member and a tab, said resilient member having a first end fixedly	
3	attached to said first wall and having a second end connected to said tab, said ta	ab
4	having an inside face in contact with said arc plate.	
1	9. An apparatus for quenching an arc, said apparatus comprising:	
2	a first wall;	
3	a second wall secured in spaced relation to said first wall;	
•	a second wan secured in spaced relation to said inst wan,	
4	a first slot formed in said first wall and opening toward said second wall;	
		11.
5	a second slot formed in said second wall and opening toward said first wa	11;
6	an arc plate in slidable communication with said first slot and said second	f
7	slot;	
8	a locking member secured in spaced relation to said first wall and including	ng
9	a resilient member and a tab, said resilient member having a first end fixedly	
.0	attached to said first wall and having a second end connected to said tab, said ta	ıb
. 1	having an inside face in contact with said arc plate;	
.2	a back stop member secured in spaced relation to said first wall, said bac	k
.3	stop member being resilient and deformable, said back stop member being	
.4	deformed and in contact with said arc plate, whereby said back stop member	
.5	pushes said arc plate towards said tab;	
.6	whereby said arc plate is secured by said first slot, said second slot, said	
.7	back stop member, and said locking member.	
1	10. The apparatus of Claim 9 wherein said first slot, said second slot,	
2	said back stop member, and said locking member form an integral assembly.	

An apparatus for quenching an arc, said apparatus comprising:

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2	an arc stack housing having a first member secured in spaced relation to a
3	second member, said first member and said second member defining a slot having
4	a back end and an insertion end;
5	a back stop positioned at said back end;
6	a locking member positioned at said insertion end;
7	an arc plate insertable into said slot.
1	12. An apparatus for quenching an arc, said apparatus comprising:
2	an arc stack housing;
3	an arc plate; and
4	a means for securing said arc plate in said arc stack housing.
1	13. The apparatus of Claim 12 further comprising a means for preventing
2	said arc plate from vibrating in said arc stack housing.